

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 8&MD 18 AND MD 18 (MAIN ST.)SKIPJACK PKWY IN QUEEN ANNE'S COUNTY. MD 8&MD 18 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION. THE MODIFICATIONS CONSIST OF CONVERTING BOTH DIRECTIONS OF MD 8 TO A FLASHING RED ARROW FOR THE LEFT TURN PHASING. LED SIGNAL MODULES WILL ALSO BE INSTALLED IN THE EXISTING SIGNALS. VIDEO DETECTION WILL ALSO BE ADDED FOR THE SIDE STREET APPROACHES.

INTERSECTION OPERATION

THE INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA SIX-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH FLASHING RED LEFT TURN PHASES FOR NORTHBOUND AND SOUTHBOUND MD 8&MD 18 LEFT TURN LANES.

CONTROLLER REQUIREMENTS

THE EXISTING FULL-TRAFFIC-ACTUATED, EIGHT-PHASE CONTROLLER HOUSED IN A BASE MOUNTED CABINET WILL BE USED.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED BY MSHA AND INSTALLED BY THE CONTRACTOR.

ITEM NO.	QUANTITY	DESCRIPTION
9003	1 EA	RELAY (110/120 VOLT) 11 PIN
9571	24 SF	SHEET ALUMINUM MAST ARMPOLE MOUNTED SIGN - "YIELD ON FLASHING RED ARROW AFTER STOP" 48"X36" (2)

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR.

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
8001	18 EA	12 INCH (R,Y,G) LED SIGNAL HEAD
8015	26 EA	LED SIGNAL HEAD MODULE (ANY SIZE)
8017	1 EA	REMOVE AND DISPOSE PER ASSIGNMENT
8047	24 SF	INSTALL OVERHEAD SIGN
8048	2 EA	VIDEO DETECTION CAMERA AND CABLE - UP TO 500 FEET
8058	575 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE RETURNED TO MSHA.

NONE

PHASE CHART

1	2	3	4	5	6	7	8	9	10	11	12	13	14
⬅R➡	⬅Y➡	⬅G➡	⬅R➡	⬅Y➡	⬅G➡	⬅R➡	⬅Y➡	⬅G➡	⬅R➡	⬅Y➡	⬅G➡	⬅R➡	⬅Y➡
PHASE 1 & 5	⬅G➡	⬅G➡	R	R	⬅G➡	⬅G➡	R	R	R	R	R	R	R
1 & CHANGE	PHASE 1 & 5 CHANGE MAY CHANGE TO PHASE 1 & 6, 2 & 5 OR 2 & 6												
PHASE 1 & 6	⬅G➡	⬅G➡	G	G	⬅R➡	⬅R➡	R	R	R	R	R	R	R
1 CHANGE	⬅Y➡	⬅Y➡	R	R	⬅R➡	⬅R➡	R	R	R	R	R	R	R
PHASE 2 & 5	⬅R➡	⬅R➡	R	R	⬅G➡	⬅G➡	G	G	R	R	R	R	R
5 CHANGE	⬅R➡	⬅R➡	R	R	⬅Y➡	⬅Y➡	G	G	R	R	R	R	R
PHASE 2 & 6	FL⬅R➡	FL⬅R➡	G	G	FL⬅R➡	FL⬅R➡	G	G	R	R	R	R	R
2 & 6 CHANGE	⬅R➡	⬅R➡	Y	Y	⬅R➡	⬅R➡	Y	Y	R	R	R	R	R
PHASE 4 & 8	⬅R➡	⬅R➡	R	R	⬅R➡	⬅R➡	R	R	G	G	G	G	G
4 & 8 CHANGE	⬅R➡	⬅R➡	R	R	⬅R➡	⬅R➡	R	R	Y	Y	Y	Y	Y
PRE-EMPTION 1	⬅R➡	⬅R➡	R	R	⬅R➡	⬅R➡	R	R	R	R	R	R	R
PRE-EMPTION 2	⬅R➡	⬅R➡	G	G	⬅R➡	⬅R➡	G	G	R	R	R	R	R
FLASHING OPERATION	FL⬅R➡	FL⬅R➡	FLY	FLY	FL⬅R➡	FL⬅R➡	FLY	FLY	FL/R	FL/R	FL/R	FL/R	FL/R

CONTACT PERSONS FOR DISTRICT 2 ARE AS FOLLOWS:

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MR. BARRY CLOTHIER
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CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

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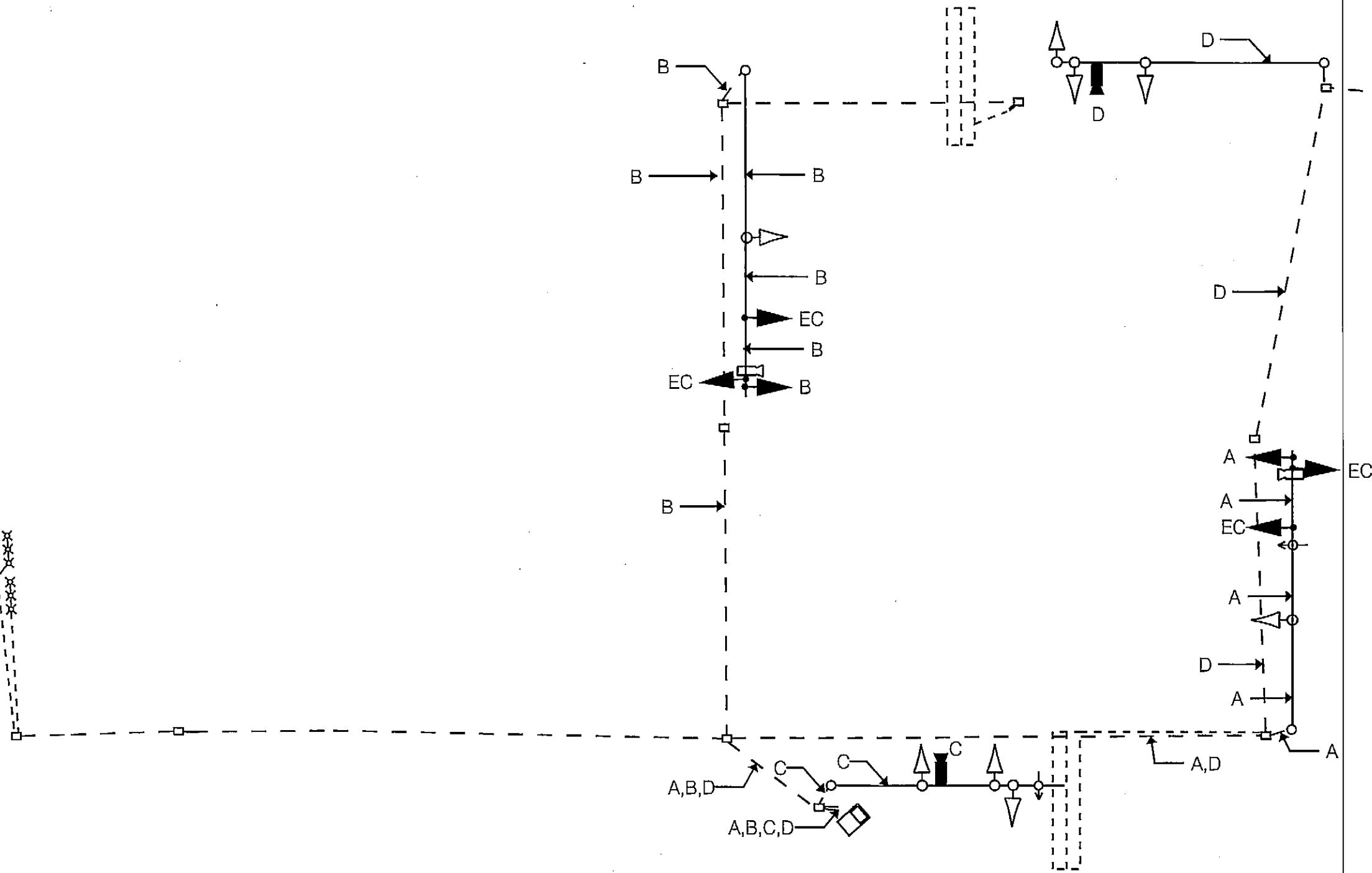
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WIRING KEY

- A,B 5 CONDUCTOR ELECTRICAL CABLE
(NO. 14 A.W.G.)
C,D VIDEO DETECTION LEAD IN CABLE
EC EXISTING CABLE



TOD NO:XX448-26
SHA NO:QA470A51/B51
MD 8@ MD 18A



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 8 AND MD 18A MAIN ST./SKIPJACK PKWY
STEVENSVILLE, MD

GENERAL INFORMATION SHEET

SCALE 1"=20' ADVERTISED DATE 3/2009 CONTRACT NO. XX4485185

DESIGNED BY W.S. COUNTY QUEEN ANNE'S
DRAWN BY W.S. LOGMILE 17300808.37
CHECKED BY D.D. TMS NO. J344
F.A.P. NO. TOD NO.

TS NO. 4034C DRAWING SG OF SHEET NO. 2 OF 2